

SMA Male Right Angle to SSMC Plug Right Angle Cable Using RG188-DS Coax with HeatShrink, LF Solder



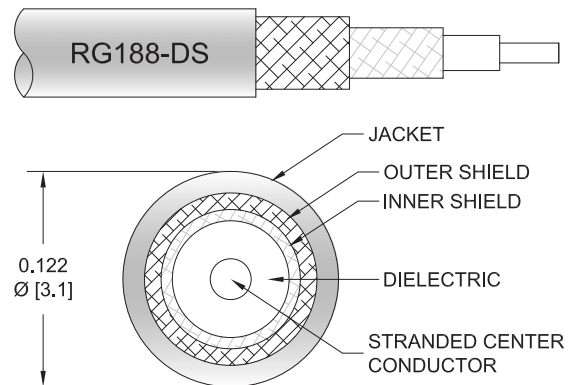
PE3W09198LF/HS

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: SSMC Plug Right Angle
- Cable Type: RG188-DS
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- Double Shielded
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W09198LF/HS SMA male right angle to SSMC plug right angle cable using RG188-DS coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to SSMC cable assembly has a male to plug gender configuration with 50 ohm flexible RG188-DS coax. The PE3W09198LF/HS SMA male to SSMC plug cable assembly operates to 3 GHz. The right angle SMA and right angle SSMC interfaces on the RG188-DS cable allow for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500		
PE3W09198LF/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.115	0.145	0.197	0.3	0.483	dB/ft	
			0.38	0.48	0.65	0.99	1.59	dB/m	
PE3W09198LF/HS-12	12 inch	Insertion Loss (Typ.)	0.62	0.65	0.7	0.8	0.99	dB	0.039
PE3W09198LF/HS-24	24 inch	Insertion Loss (Typ.)	0.73	0.79	0.9	1.1	1.47	dB	0.054
PE3W09198LF/HS-36	36 inch	Insertion Loss (Typ.)	0.85	0.94	1.1	1.4	1.95	dB	0.069
PE3W09198LF/HS-48	48 inch	Insertion Loss (Typ.)	0.96	1.08	1.29	1.7	2.44	dB	0.084
PE3W09198LF/HS-60	60 inch	Insertion Loss (Typ.)	1.08	1.23	1.49	2	2.92	dB	0.099

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.2 dB
Loss due to Connector 2:	0.3 dB
Base Weight:	0.039 pounds
Additional Weight per Inch:	0.00125 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	lbs [0 g]

Cable

Cable Type	RG188-DS
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	PTFE, White
Jacket Diameter	0.118 in [3 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	SSMC Plug Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	MIL-G-45204
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	100 µin minimum	MIL-G-45204
Coupling Nut Material and Plating	Brass, Nickel	Beryllium Copper, Gold
Coupling Nut Plating Specification	100 µin minimum	MIL-G-45204
Hex Size	5/16 inch	
Torque	3 in-lbs 0.34 Nm	1.75 in-lbs 0.2 Nm

Environmental Specifications

Operating Range Temperature -55 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration:

PE3W09198LF/HS - xx uu



Example: PE3W09198LF/HS-12 = 12 inches long cable
PE3W09198LF/HS-100cm = 100 cm long cable

SMA Male Right Angle to SSMC Plug Right Angle Cable Using RG188-DS Coax with HeatShrink, LF Solder from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to SSMC Plug Right Angle Cable Using RG188-DS Coax with HeatShrink, LF Solder PE3W09198LF/HS](#)

URL: <https://www.pasternack.com/sma-male-right-angle-to-ssmc-plug-cable-using-rg188-ds-with-heatshrink-lf-solder-pe3w09198lf-hs-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3W09198LF/HS CAD Drawing

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